



**Detection sensitivities of AiM BRT test systems
towards selected anti-infectives in cow milk, µg/kg (ng/ml; ppb)**

Substance	BRT Inhibitor Test		BRT MRL-Screening Test		BRT hi-sense		MRL (470/2009 EEG resp. 37/2010 EEG)
	CCβ A	CCβ B	CCβ A	CCβ B	CCβ A	CCβ B	
Penicillins							
Amoxicillin	3	2.5	3	2.5	1.5	1.3	4
Ampicillin	3.5	3	2.5	2	1.5	1.3	4
Benzylpenicillin	2.5	2	2	1.5	1	0.6	4
Cloxacillin	25	20	25	18	10	9	30
Dicloxacillin	15	12.5	12.5	10	6	5	30
Nafcillin	15	10	10	8	4	4	30
Oxacillin	10	8	8	8	4	3	30
Cephalosporins							
Cefapirin	6	5	5	5	3	2.5	60
Cefazolin	9	7	7	6	4	3	50
Cefoperazone	35	25	30	20	20	15	50
Cefalexin	400	300	300	250	125	100	100
Cefquinome	500	300	300	200	20	20	20
Ceftiofur	200	150	150	100	10	10	100
Cefalonium	14	12	12	10	6	5	20
Macrolides							
Erythromycin	100	50	80	50	80	40	40
Tylosin	75	40	75	30	40	20	50
Tetracyclines							
Oxytetracycline	800	400	400	200	100	75	100
Chlortetracycline	> 1,000	800	800	400	300	150	100
Tetracycline	1,000	600	600	300	150	75	100
Sulfonamides							
Sulfadiazine	> 800	100	400	100	200	60	100
Sulfadimethoxin	> 800	200	600	100	200	50	100
Sulfamethazine	1,000	300	> 1,000	200	400	100	100
Sulfathiazol	400	60	200	60	60	40	100
Sulfadoxin	> 1,500	400	1,500	300	400	150	100
Sulfamethoxypyridazine	500	100	500	100	100	40	100
Aminoglycosides							
DH-Streptomycin	600	400	600	400	300	150	200
Streptomycin	1,500	600	1,000	500	500	250	200
Gentamicin	200	100	150	80	40	10	100
Neomycin	400	200	300	200	150	60	1,500
Others							
Lincomycin	200	150	200	100	125	75	150
Chloramphenicol	7,000	4,000	5,000	3,500	4,000	2,000	illegal

Data BRT Validation 2018: Reading with ELISA Reader: Measuring wavelength 450 nm, reference wavelength 620 nm
 CCβ: Lowest concentration obtaining a minimum of 95% positive results
 CCβ A: Evaluation with regard to the colour of the positive control
 CCβ B: Evaluation with regard to the colour of the negative control

Validation reports of the BRT tests will be gladly provided on enquiry, these comprise i. a. dose-response curves correlated with the detection sensitivities.

Analytik in Milch
 Produktions- und Vertriebs- GmbH
 Kaiser-Ludwig-Platz 2
 D-80336 München

Phone
 +49 89 5307512-0
 Fax
 +49 89 5307512-2

Email
 info@aim-bayern.de
 Internet
 www.aim-bayern.de

